864 Text Message

Functional Group ID=TX

Introduction:

This standard provides the format and establishes the data contents of a text transaction set. The text transaction set provides users with a capability to electronically move messages, contracts, explanations and other one-time communications. It is the intent of this transaction set to provide electronic communication (messages) for people, not for computer processing. The use of the transaction set to transmit quasi or unique transaction set standards is discouraged. The use of the text transaction set demands of the sender certain detailed information about the recipient. The transaction set's purpose is to provide communication to the recipient in some human-readable form. The recipient's network will dictate what capabilities are available for delivery of the information. It is the responsibility of the sender to obtain this information and include it in the transmission.

Notes:

1. Use only to pass clarifications, questions, or other text specifically pertaining to a previous transmission. When used, cite the Universal Tracking Number (UTN) in the 1/REF/080 segment.

2. Only one iteration of the MIT Loop and no more than 500 occurrences of the MSG segment within that loop will be used.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BMG	Beginning Segment For Text Message	M	1		
	030	DTM	Date/Time/Period	O	10		
			LOOP ID - N1			200	
	040	N1	Name	O	1		
	050	N2	Additional Name Information	O	2		
	060	N3	Address Information	O	2		
	070	N4	Geographic Location	O	1		
	080	REF	Reference Numbers	O	12		
	090	PER	Administrative Communications Contact	O	3		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - MIT			200	
Must Use	010	MIT	Message Identification	M	1		
			LOOP ID - N1			200	

Not Used	020	N1	Name	O	1	
Not Used	030	N2	Additional Name Information	O	2	
Not Used	040	N3	Address Information	O	2	
Not Used	050	N4	Geographic Location	O	1	
Not Used	060	REF	Reference Numbers	O	12	
Not Used	070	PER	Administrative Communications Contact	O	3	
Must Use	080	MSG	Message Text	M	100000	

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	SE	Transaction Set Trailer	M	1		

Segment:	**ST** **Transaction Set Header**
Position:	010
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	
Semantic Notes:	
Comments:	1 The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	ST01	143	**Transaction Set Identifier Code**	M ID 3/3
			Code uniquely identifying a Transaction Set	
			864 X12.34 Text Message	
Must Use	ST02	329	**Transaction Set Control Number**	M AN 4/9
			Identifying control number assigned by the originator for a transaction set.	
			A unique number assigned to this transaction set for control purposes. Usually assigned by the translation software. This is the same number that appears in the SE02.	

Segment: **BMG** **Beginning Segment For Text Message**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a Text Message Transaction Set
Syntax Notes:
Semantic Notes:
Comments: **1** BMG02 contains the message subject.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
Must Use **BMG01**	**353**	**Transaction Set Purpose Code**	**M**	**ID 2/2**
		Code identifying purpose of transaction set		
		00 Original		
BMG02	**352**	**Description**	**O**	**AN 1/80**
		A free-form description to clarify the related data elements and their content		
		Use to provide a brief overall subject of the text message.		

Segment: # DTM Date/Time/Period

Position:	030
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 or DTM03 is required.
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	DTM01	374	Date/Time Qualifier	M	ID 3/3

Code specifying type of date or time, or both date and time

    097   Transaction Creation

	Ref. Des.	Data Element	Name	Attributes	
	DTM02	373	Date	C	DT 6/6

Date (YYMMDD)

	Ref. Des.	Data Element	Name	Attributes	
	DTM03	337	Time	C	TM 4/4

Time expressed in 24-hour clock time (HHMM, time range: 0000 through 2359).

	Ref. Des.	Data Element	Name	Attributes	
Not Used	DTM04	623	Time Code	O	ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Segment:	**N1** Name	
Position:	040	
Loop:	N1 Optional	
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	1	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
Notes:		*At least one iteration of the N1 loop is required with FR cited in N101 to indicate the sender, and at least one iteration of the N1 loop is required with "TO" to indicate the recipient.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N101	98	**Entity Identifier Code**	**M**	**ID 2/2**

Code identifying an organizational entity or a physical location.

FR	Message From
TO	Message To

	N102	93	**Name**	**C**	**AN 1/35**

Free-form name

When sending a public 864 and N101 is TO, enter "PUBLIC" in N102 and do not use N103 and N104.

	N103	66	**Identification Code Qualifier**	**C**	**ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

1	Dun and Bradstreet (Credit Reporting) (DUNS)

1. Use of the DUNS number is preferred over any other coded number to identify a commercial entity.

2. Use when N101 cites code FR to cite a contractor originating a text message. Use also when N101 cites code TO to cite an addressee known by its DUNS number.

9	DUNS with 4-character suffix
10	Department of Defense Activity Address Code (DODAAC)

Use when an agency is known only by its

Department of Defense Activity Address Code (DoDAAC) or Civilian Agency Activity Address Code.

	19	FIPS-55 (Named Populated Places)
	33	Commercial and Government Entity (CAGE)
	93	Code assigned by the organization originating the transaction set

Cite the contracting activity code when other than DODAAC or FIPS - 55. May equal GS02 value.

N104   **67**   **Identification Code**   **C   ID 2/17**

Code identifying a party.

Segment: # N2 Additional Name Information

Position: 050
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N201	93	**Name**	M	AN 1/35
			Free-form name		
	N202	93	**Name**	O	AN 1/35
			Free-form name		

Segment: **N3** Address Information

Position: 060
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N301	166	**Address Information**	M	AN 1/35
			Address information		
	N302	166	**Address Information**	O	AN 1/35
			Address information		

Segment:	**N4** Geographic Location
Position:	070
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party

Syntax Notes:	**1**	At least one of N401 or N405 is required.
	2	If N401 is present, then N402 is required.
	3	If either N405 or N406 is present, then the other is required.

Semantic Notes:

Comments:	**1**	A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2	N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
N401	**19**	**City Name**	**C**	**AN 2/19**
		Free-form text for city name		
N402	**156**	**State or Province Code**	**C**	**ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency		
		Use codes from the latest release of FIPS PUB 5-2, States and Outlying Areas of the United States.		
N403	**116**	**Postal Code**	**O**	**ID 4/9**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
N404	**26**	**Country Code**	**O**	**ID 2/2**
		Code identifying the country		
		Use codes from the latest release of ISO 3166, codes for Representing Names if Countries.		
Not Used **N405**	**309**	**Location Qualifier**	**O**	**ID 1/2**
		Code identifying type of location		
Not Used **N406**	**310**	**Location Identifier**	**C**	**AN 1/25**
		Code which identifies a specific location		

Segment:	**REF** Reference Numbers		
Position:	080		
Loop:	N1 Optional		
Level:	Heading		
Usage:	Optional		
Max Use:	12		
Purpose:	To specify identifying numbers.		
Syntax Notes:	1 At least one of REF02 or REF03 is required.		
Semantic Notes:			
Comments:			
Notes:	*One iteration of the REF is required.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Number Qualifier**	**M ID 2/2**

Code qualifying the Reference Number.

65	Total Order Cycle Number	

UTN - Universal Tracking Number a unique identifier used to establish a linkage between a cycle of transaction sets for a single acquisition. Should be a unique identifier within federal agencies. A cycle is defined to included all related transaction sets (840, 843, 850, 855, 860, 865, 836, 864, 810, and 820 if possible).

IV	Seller's Invoice Number	

	Ref. Des.	Data Element	Name	Attributes
	REF02	**127**	**Reference Number**	**C AN 1/30**

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

	Ref. Des.	Data Element	Name	Attributes
Not Used	**REF03**	**352**	**Description**	**C AN 1/80**

A free-form description to clarify the related data elements and their content

Segment:	**PER** Administrative Communications Contact		
Position:	090		
Loop:	N1 Optional		
Level:	Heading		
Usage:	Optional		
Max Use:	3		
Purpose:	To identify a person or office to whom administrative communications should be directed		
Syntax Notes:	1 If PER03 is present, then PER04 is required.		
Semantic Notes:			
Comments:			
Notes:	*One iteration of the PER segment is required when the N1 segment contains code FR in N101. This iteration must contain IC in PER01, TE in PER03, and the complete commercial number with area code in PER04.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	PER01	366	**Contact Function Code**	**M ID 2/2**
			Code identifying the major duty or responsibility of the person or group named	
			IC Information Contact	
	PER02	93	**Name**	**O AN 1/35**
			Free-form name	
	PER03	365	**Communication Number Qualifier**	**O ID 2/2**
			Code identifying the type of communication number	
			EM Electronic Mail	
			Should only be used if the address is less than 22 characters.	
			FX Facsimile	
			TE Telephone	
	PER04	364	**Communication Number**	**C AN 7/21**
			Complete communications number including country or area code when applicable	

Segment:	**MIT** Message Identification
Position:	010
Loop:	MIT Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To identify the beginning of a specific message and to allow the identification of a subject for the message
Syntax Notes:	
Semantic Notes:	
Comments:	1 MIT01 contains the message number.
	2 MIT02 contains the message subject.
	3 MIT03 default is 80 characters.
	4 MIT04 default is 66 lines.
Notes:	*Only one iteration of the MIT Loop and no more than 500 occurrences of the MSG segment within that loop will be used.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	MIT01	127	**Reference Number**	**M**	**AN 1/30**

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

This value will always be one.

	MIT02	352	**Description**	**O**	**AN 1/80**

A free-form description to clarify the related data elements and their content

Use to provide a more detailed subject of the message using no more than 75 characters.

Not Used	MIT03	931	**Page Width**	**O**	**N0 1/3**

Definition of the maximum number of characters per line that can be expected in the message text

Not Used	MIT04	932	**Page Length Lines**	**O**	**N0 1/3**

Definition of the maximum number of lines per page that can be expected in the message text

Segment:	**MSG** Message Text
Position:	080
Loop:	MIT Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	100000
Purpose:	To provide a free form format that would allow the transmission of text information.
Syntax Notes:	
Semantic Notes:	
Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
Notes:	*1. Use a maximum of 75 characters in MSG01.*
	2. A Maximum of 500 MSG segments per message.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	MSG01	933	**Free-Form Message Text**	M	AN 1/264
			Free-form message text		
Not Used	MSG02	934	**Printer Carriage Control Code**	O	ID 2/2
			A field to be used for the control of the line feed of the receiving printer		

Segment:	**SE** Transaction Set Trailer
Position:	010
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).
Syntax Notes:	
Semantic Notes:	
Comments:	**1** SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	SE01	96	**Number of Included Segments**	M	N0 1/6
			Total number of segments included in a transaction set including ST and SE segments		
Must Use	SE02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number assigned by the originator for a transaction set.		
			This is the same number as that cited in ST02.		